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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO.:

FILED: Herewith

TITLE: METHOD AND APPARATUS FOR DETECTING MASTITIS

PRELIMINARY AMENDMENT

Commissioner for Patents  
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Preliminary Amendment: SPECIFICATION AMENDMENTS

In Paragraphs [0044] to [0045], please amend the paragraphs as follows:

[0044] According to a fourth aspect of the invention, ~~we provide~~ a milk line is provided for an automatic milking system, the milk line including a conduit for milk, a generally fluid and light tight chamber of variable capacity including an inlet port and an outlet port, the inlet port being connected to the milk conduit by means of an auxiliary milk conduit, means to increase the capacity of the chamber in order to draw milk into the chamber from the milk conduit via the inlet port or to decrease the capacity of the chamber to expel fluid in the chamber through the outlet port, and a light detector to detect any light emitted from the fluid in the chamber.

[0045] According to a fifth aspect of the invention ~~we provide~~, an automatic milking system is provided, including a generally fluid and light tight chamber of variable capacity including an inlet port and an outlet port, means to increase the capacity of the chamber in order to draw milk into the chamber from a conduit for milk via the inlet port or to decrease the capacity of the chamber to expel fluid in the chamber through the outlet port, and a light detector to detect any light emitted from the fluid in the chamber.

In Paragraphs [0053] to [0056], please amend the paragraphs as follows:

[0053] The invention will now be described with reference to and/or as shown in the accompanying drawings ~~of which,~~

[0054] FIGURE 1 is a schematic view of an illustration of an apparatus for testing a biological fluid according to the third aspect of the invention;

[0055] FIGURE 2 is ~~an~~ another schematic view of an illustration of a section of the apparatus of Figure 1 along line X in Figure 1, ~~and~~.

[0056] ~~FIGURE 3 is an illustration~~ FIGURES 3a-3b are graphic illustrations of typical graphs of light output versus time produced using the method of the first and second aspects of the invention.